



# Gaseous Fuels Code Adoption 2026 Consultation Summary

## Introduction

TSSA amends the Gaseous Fuels Code Adoption Document (CAD) under Ontario Regulation 212/01: Gaseous Fuels by adopting the latest version of national safety codes and standards into provincial regulation to ensure safe installation, operation, and maintenance of gaseous fuels equipment and systems.

## Adopted Codes

The following codes are being adopted by the Gaseous Fuels CAD:

- CSA B149.1 (2025 Edition) – Natural Gas and Propane Installation Code
- CSA B149.3 (2025 Edition) – Field Approval for Fuel related components on appliances & equipment Code
- CSA B149.3 Annex J – Mobile Food Service Equipment code
- CSA B149.6 (2025 Edition) – Biogas generation and utilization Code
- NFPA 160 (2021 Edition) – Use of flame effects before an audience standard

## Consultation Summary

TSSA conducted an online consultation on the draft Gaseous Fuels Code Adoption Document through the TSSA's Engage Platform. The consultation was open for a duration of 60 days, from November 20, 2025 to January 19, 2026.

Gaseous Fuels CAD Consultation Highlights		
Participants confirmed to have reviewed the documents	Participants who reviewed and did not have comments	Participants who submitted comments
108	81	27

The consultation was shared to more than 64,000 Fuel Safety customers and stakeholders through email, and the consultation was also posted on the TSSA website. The survey was completed by 108 participants, of which 81 participants confirmed that they have reviewed the documents and have not comments, while 27 of the participants submitted comments.

TSSA also reached out to some of the participants to clarify some of the comments provided. TSSA would like to thank all the individuals and entities who participated in the consultation. TSSA has reviewed all submissions and made every effort to incorporate the requested revisions and changes.

Please [subscribe to TSSA News](#) to stay informed of TSSA updates and future consultations.



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## Amendments to Gaseous Fuels Code Adoption Document (CAD) Summary of Changes:

TSSA is proposing amendments to the Gaseous Fuels Code Adoption Document (CAD) under Ontario Regulation 212/01: Gaseous Fuels. The Gaseous Fuels CAD incorporates national safety codes and standards into provincial regulation to ensure safe installation, operation, and maintenance of gaseous fuels equipment and systems.

### Adopted Codes

The following codes are being adopted by the Gaseous Fuels CAD:

- CSA B149.1 (2025 Edition) – Natural Gas and Propane Installation Code
- CSA B149.3 (2025 Edition) – Field Approval for Fuel related components on appliances & equipment Code
- CSA B149.3 Annex J – Mobile Food Service Equipment code
- CSA B149.6 (2025 Edition) – Biogas generation and utilization Code
- NFPA 160 (2021 Edition) – Use of flame effects before an audience standard

### Summary of Key Code Changes

The following is a summary of key changes in the 2025 editions of the adopted codes compared to their previous versions:

- **CSA B149.1 (2025 Edition)** – The new version expands the Code to include hydrogen-natural gas blends with new safety and material requirements, modernizes technical standards for installation, venting, piping, and equipment certification to align with current CSA and UL codes, and clarifies its scope, terminology, and annexes to ensure consistency and improved guidance for industrial and field applications.
- **CSA B149.3 (2025 Edition)** – Field Approval for Fuel Related Components on Appliances and Equipment Code expands the Code to include hydrogen and hydrogen–natural gas blends with corresponding safety and testing requirements, modernizes technical and operational provisions for pressure regulation, valves, burners, and control systems to enhance reliability and compliance, and clarifies scope, definitions, and annexes—introducing new sections for hazardous locations, installation and maintenance guidance, and hydrogen-related applications. The code has also included a new Annex on Mobile Food Service Equipment which is adopted separately to replace the MFSE code.
- **CSA B149.6 (2025 Edition)** – Biogas Generation and Utilization restructures and harmonizes requirements for wastewater, organic digester, and landfill gas systems to eliminate redundancy, expands definitions and technical provisions to clarify applications such as biogas flares and valve standards, and introduces new requirements for approved wiring diagrams and system control documentation to enhance safety and consistency across biogas installations.
- **NFPA 160 (2021 Edition)** – Use of Flame Effects Before an Audience Standard: The 2021 edition of NFPA 160 has been extensively reorganized to reflect advancements in flame effect technology. The updated version now distinguishes flame effect technologies by fuel type.

### Ontario Specific Amendments Summary

The chart below provides a summary of Ontario Specific Amendments (OSAs) in the Gaseous Fuels CAD:



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Gaseous Fuels Adoption Document					
Section	Total OSAs in previous version	Number of OSAs removed	Number of new OSAs	Total OSAs in revised version	Net Change
1	43	10	2	34	-9
2 old	1	1	0	0	-1
2 new	34	10	3	25	-7
4	19	8	10	21	2
5	11	1	6	15	5
<b>Sum</b>	<b>108</b>	<b>30</b>	<b>21</b>	<b>95</b>	<b>-10</b>

\*The OSA change calculation for adoption of the Annex J (CSA 149.3) in Section 3 is not shown above as the code is newly adopted.

## Summary of Key Changes:

### OSA additions (Refers to the Sections in the new draft CAD):

#### Section 1:

- Revoking clause 7.2.4.1 of CSA B149.1
- Mandatory adoption of Annex G of CSA B149.1

#### Section 2:

- Addition of definitions for Biogas, wastewater digester gas, organic gas and landfill gas in Field Approval Code
- Addition of requirements for clause 4 of CSA 149.3 on pressure regulators
- Addition of requirements for clause 16.10.12 of CSA B149.3

#### Section 3:

- Section 3 is entirely newly added adopting Annex J of CSA B149.3 with additional OSA's.

#### Section 4:

- Addition of definitions for Manual shut-off valve and Test firing valve for CSA B149.6
- Revision of clause 6.4.7.1 of CSA B149.6
- Revision of clause 8.1.2.1 of CSA B149.6
- Amendment of clauses 8.6.2.5, 8.8, 8.8.1, 8.10.1, 9.8.3.4 and 10.2.2 to include "Manual shut-off valve" instead of "manual valve"
- Revision of clause 8.9.6 of B149.6 on high performance butterfly valves



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- Revision of clause 10.3.7 of CSA B149.6 on hazardous area electrical requirements
- Mandatory adoption of Annexes F and G of CSA B149.6

## Section 5:

- Annex O is moved as the new Section 5, adopting NFPA 160 2021 version, with additional OSA's.

## OSA Deletions (CAD sections references 2021 version):

### Section 1

- 1.4, MFSE definition is deleted as the code is adopted in the CAD section 3
- 1.9, replacing clause 4.7.3 is deleted as the revised code includes the requirement
- 1.10, revoking clause 4.7.4 is deleted.
- 1.16, replacing clause 5.6.4 is deleted as the revised code requirements are accepted.
- 1.21, replacing clause 6.18.3 is deleted due to safety concerns.
- 1.24, replacing clauses 6.22.2, 6.22.3 and 6.22.4 is deleted.
- 1.31, replacing clause 7.13.1 is deleted, as the code language provided better clarity.
- 1.34, replacing clause 7.26.7 is deleted to deter confusion on type of heater requirements.
- 1.37, replacing clause 7.34.3 is deleted.
- 1.42, replacing clause 8.9.5 is deleted.
- 149, replacing clause G.1 is deleted.

**Section 2** of the CAD adopting National Standard of Canada CN/BNQ 1784/000 07 is deleted, as hydrogen blending is included in revised version of CSA 149.1.

**Section 5**, reference adoption of TSSA High Pressure Piping Code is deleted, and the requirements are referenced within the relevant sections in the CAD.